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Before The
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

JUL - 8 2009

Federal Communications Commission
Bureau / Office

In the Matter of)
Amendment of Section 73.622(b))
DTV Table of Television Allotments)
(New Haven, Connecticut))

Docket No. _____

FILED/ACCEPTED

To: Chief, Media Bureau

JUL 13 2009

Federal Communications Commission
Office of the Secretary

PETITION FOR RULE MAKING

Connecticut Public Broadcasting, Inc. ("CPBI"), licensee of noncommercial educational television Station WEDY, New Haven, Connecticut, through its attorneys, hereby petitions pursuant to Section 73.622(a) of the Commission's rules for amendment of Section 73.622(b), the DTV Table of Television Allotments, to substitute DTV Channel *41 for DTV Channel *6 at New Haven, Connecticut as the channel for Station WEDY. In support thereof, the following is shown:

CPBI is a non-profit 501(c)(3) organization that has been serving the state of Connecticut with public broadcasting services since 1962. CPBI is the licensee of four television stations and four radio stations, including public television Station WEDY.

Attached hereto is a Technical Exhibit prepared by CPBI's consulting engineers. As shown in the Exhibit, the current Channel *6 facility is subject to substantial levels of new interference from the increased co-channel DTV facilities of Station WPVI-TV, Philadelphia, Pennsylvania and Station WRGB(TV), Schenectady, New York. CPBI consented to the power increases to these stations which were suffering lost viewers

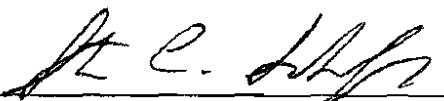
due to apparent inadequate signal strength of their initial post-transition facilities. CBPI submits that prompt Commission consideration of this proposal to substitute Channel *41 for *6 at New Haven will ameliorate problems by its viewers and potential viewers to Station WEDY and so serve the public interest. As demonstrated in the Technical Statement, the proposed Channel *41 allotment meets the applicable post-transition interference limits, and is beyond the 360-km coordination distance with Canada.

CPBI accordingly urges the FCC to issue forthwith a Notice of Proposed Rule-making to substitute Channel *41 for *6 at New Haven and to provide for modification of Station WEDY, New Haven to the substituted channel.

Respectfully submitted,

CONNECTICUT PUBLIC BROADCASTING, INC.

By:



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Date: July 8, 2009

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
TELEVISION STATION WEDY-DT
NEW HAVEN, CONNECTICUT

June 22, 2009

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
TELEVISION STATION WEDY-DT
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 and Technology Bulletin No. 69

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
TELEVISION STATION WEDY-DT
NEW HAVEN, CONNECTICUT

Technical Statement

This Technical Statement was prepared on behalf of television broadcast station WEDY-DT, New Haven, Connecticut (Channel 6), in support of a Petition for Rule Making to amend Section 73.622(i) of the FCC Rules to change the WEDY-DT post-transition digital television channel.

WEDY-DT is licensed for operation on Channel 6 with a nominal non-directional ERP of 0.4 kW and antenna HAAT of 88 m.* The existing WEDY-DT facility is subject to substantial levels of new interference from the increased co-channel DTV facilities of WPVI-DT, Philadelphia, Pennsylvania and WRGB-DT, Schenectady, New York. To combat the large levels of predicted interference on Channel 6, a substitute channel allotment is proposed for WEDY-DT.

The instant petition proposes Channel 41 in lieu of Channel 6 for WEDY-DT's DTV channel using the same licensed reference location. The petitioner proposes that Channel 41 be allotted with a nominal non-directional ERP of 200 kW and antenna HAAT of 88 m. It is noted that the proposed allotment reference site is located beyond the 360-km coordination distance with Canada. The technical specifications for the proposed allotment are included herein at Figure 1.

* See FCC File No. BLEDT-20060906ABJ.

The proposed transmitting antenna will be located with a center of radiation at an elevation of 131 m above mean sea level and 88 m HAAT. Given a maximum ERP of 200 kW, the proposed facility complies with Section 73.622(f)(8) concerning the maximum permissible ERP for UHF DTV stations located in Zone I.

As indicated in Figure 2, the proposed WEDY-DT allotment on Channel 41 will provide 48 dBu, f(50,90) contour coverage over the entire community of New Haven, Connecticut in compliance with Section 73.625 of the FCC Rules.

The proposed Channel 41 facility meets the requirements of Section 73.616 of the FCC Rules concerning predicted interference to other DTV allotments and assignment records. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules and FCC OET Bulletin No. 69[†]. The results of the interference analyses for the proposed facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% *de minimis* interference criterion outlined in the FCC Rules to all pertinent allotments and assignments.[‡]

With respect to Class A TV station protection, the proposal has been evaluated according to the requirements of the FCC Rules. The analysis reveals no potentially affected Class A TV stations.

[†] See Longley-Rice Methodology for Evaluating TV Coverage and Interference, OET Bulletin 69, Federal Communications Commission (February 6, 2004)

[‡] A separate study was also conducted with respect to the WHDH-DT, Boston, MA, Channel 42, facility that is operating pursuant to special temporary authority. The predicted interference to this facility is 0.00%.

The service area and population numbers for the proposed allotment are summarized below:

State and City	DTV Chan	DTV Power (kW)	Antenna HAAT (m)	Estimated Predicted Service	
				Area (sq. km)	People (Thous)
CT NEW HAVEN	41	200.0	88.0	10,691	3,099

As indicated above, the proposed Channel 41 DTV allotment for WEDY-DT would provide service to an estimated population of 3,099,000 within an area of 10,691 sq. km. This population is based on 2000 Census data.



Louis R. du Treil, Jr.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, FL 34237

June 22, 2009

Figure 1

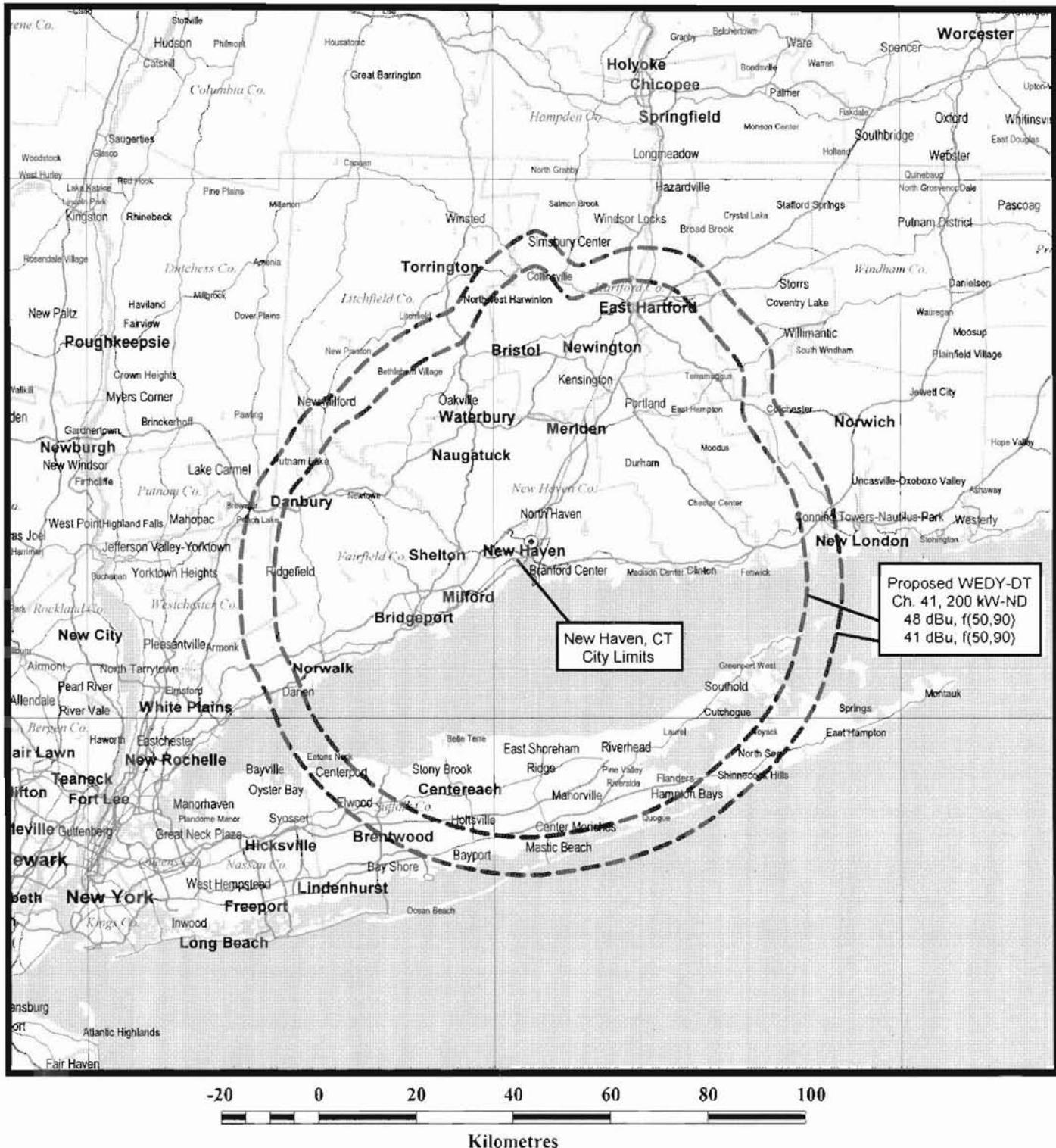
TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
TELEVISION STATION WEDY-DT
NEW HAVEN, CONNECTICUT

Technical Specifications

Channel / Frequency Band	41 / 632-638 MHz
Zone	I
Reference Coordinates (NAD 27):	
Latitude	41°19'42" North
Longitude	72°54'25" West
Height of Radiation Center Above Mean Sea Level	131 m
Height of Radiation Center Above Ground Level	27 m
Height of Radiation Center Above Average Terrain	88 m
Effective Radiated Power	200 kW

Directional Antenna Relative Field Values					
Degrees	Value	Degrees	Value	Degrees	Value
Non-directional antenna					

Figure 2



PREDICTED COVERAGE CONTOURS

duTreil, Lundin & Rackley, Inc. Sarasota, Florida

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
TELEVISION STATION WEDY-DT
NEW HAVEN, CONNECTICUT

Interference Analysis Pursuant to
Office of Engineering and Technology Bulletin No. 69

(21 pages follow)

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-22-2009 Time: 14:06:48

Record Selected for Analysis

WEDYDT USERRECORD-01 NEW HAVEN CT US
Channel 41 ERP 200. kW HAAT 91. m RCAMSL 00131 m
Latitude 041-19-42 Longitude 0072-54-25
Status APP Zone 1 Border
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	200.000	87.6	63.7
45.0	200.000	97.0	65.1
90.0	200.000	86.7	63.6
135.0	200.000	118.5	67.6
180.0	200.000	130.7	68.6
225.0	200.000	109.2	66.6
270.0	200.000	64.6	60.1
315.0	200.000	33.0	51.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
41	WEDYDT	NEW HAVEN CT	USERRECORD01

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Stations Potentially Affected by Proposed Station					
Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WGGB-TV	SPRINGFIELD MA	103.7	PLN	DTVPLN -DTVP1436
40	WGGB-TV	SPRINGFIELD MA	103.7	CP MOD	BMPCDT -20081124ACP
40	WDPX-TV	VINEYARD HAVEN MA	216.8	LIC	BLCDT -20040406AAF
40	WDPX	VINEYARD HAVEN MA	216.8	PLN	DTVPLN -DTVP1437
40	WDPX-TV	VINEYARD HAVEN MA	216.8	CP	BPCDT -20080620ACS
40	WXTV	PATERSON NJ	111.1	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	111.1	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	176.9	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	176.9	LIC	BLCDT -20070212ABF
41	WUTB	BALTIMORE MD	397.6	CP	BPCDT -20080619AJG
41	WUTB	BALTIMORE MD	397.6	PLN	DTVPLN -DTVP1475
41	WPBS-TV	WATERTOWN NY	364.1	APP	BPEDT -20080619ABP
41	WPBS-TV	WATERTOWN NY	364.1	PLN	DTVPLN -DTVP1479
41	WPBS-TV	WATERTOWN NY	364.1	LIC	BLEDT -20050923AGH
41	WVIA-TV	SCRANTON PA	248.2	PLN	DTVPLN -DTVP1482
41	WVIA-TV	SCRANTON PA	248.2	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	248.2	LIC	BLEDT -20010109AAP
42	WSAH	BRIDGEPORT CT	17.6	LIC	BLCDT -20061218ACB
42	WSAH	BRIDGEPORT CT	17.6	PLN	DTVPLN -DTVP1494
42	WSAH	BRIDGEPORT CT	111.1	APP	BPCDT -20080620ALT

XX

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WGGB-TV	SPRINGFIELD MA	DTVPLN -DTVP1436

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	94.4	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	94.4	PLN	DTVPLN -DTVP1394
39	WSBK-TV	BOSTON MA	116.4	LIC	BLCDT -20021009AAF
39	WSBK-TV	BOSTON MA	117.8	PLN	DTVPLN -DTVP1405
40	WDPX-TV	VINEYARD HAVEN MA	199.9	LIC	BLCDT -20040406AAF
40	WDPX	VINEYARD HAVEN MA	199.9	PLN	DTVPLN -DTVP1437
40	WDPX-TV	VINEYARD HAVEN MA	199.9	CP	BPCDT -20080620ACS
40	WXTV	PATERSON NJ	199.8	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	199.8	LIC	BLCDT -20050214AGS
40	WCWF	SARANAC LAKE NY	259.5	PLN	DTVPLN -DTVP1446
40	WCWF	SARANAC LAKE NY	259.5	CP	BPCDT -20080619ALG
41	WLVI-TV	CAMBRIDGE MA	117.8	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	117.9	LIC	BLCDT -20070212ABF
41	WEDYDT	NEW HAVEN CT	103.7	APP	USERRECORD-01

Total scenarios = 192

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
HAAT 324.0 m, ATV ERP 380.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3060026	22608.4	
not affected by terrain losses	2557832	19075.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	275429	1520.4	
lost to ATV IX only	275429	1520.4	
lost to all IX	275429	1520.4	

Potential Interfering Stations Included in above Scenario 1

39A CT NEW HAVEN BLCDT 20040507AAZ LIC

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

39A MA BOSTON	BLCDT	20021009AAF	LIC
40A MA VINEYARD HAVEN	BLCDT	20040406AAF	LIC
40A NJ PATERSON	DTVPLN	DTVPI444	PLN
40A NY SARANAC LAKE	DTVPLN	DTVPI446	PLN
41A MA CAMBRIDGE	DTVPLN	DTVPI474	PLN

After Analysis

Results for: 40A MA SPRINGFIELD
 HAAT 324.0 m, ATV ERP 380.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3060026	22608.4
not affected by terrain losses	2557832	19075.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	275429	1520.4
lost to ATV IX only	275429	1520.4
lost to all IX	275429	1520.4

Potential Interfering Stations Included in above Scenario 1

39A CT NEW HAVEN	BLCDT	20040507AAZ	LIC
39A MA BOSTON	BLCDT	20021009AAF	LIC
40A MA VINEYARD HAVEN	BLCDT	20040406AAF	LIC
40A NJ PATERSON	DTVPLN	DTVPI444	PLN
40A NY SARANAC LAKE	DTVPLN	DTVPI446	PLN
41A MA CAMBRIDGE	DTVPLN	DTVPI474	PLN
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WGGB-TV	SPRINGFIELD MA	BMPCTD -20081124ACP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	94.4	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	94.4	PLN	DTVPLN -DTVPI394
39	WSBK-TV	BOSTON MA	116.4	LIC	BLCDT -20021009AAF
39	WSBK-TV	BOSTON MA	117.8	PLN	DTVPLN -DTVPI405
40	WDPX-TV	VINEYARD HAVEN MA	199.9	LIC	BLCDT -20040406AAF
40	WDPX	VINEYARD HAVEN MA	199.9	PLN	DTVPLN -DTVPI437
40	WDPX-TV	VINEYARD HAVEN MA	199.9	CP	BPCDT -20080620ACS
40	WXTV	PATERSON NJ	199.8	PLN	DTVPLN -DTVPI444
40	WXTV	PATERSON NJ	199.8	LIC	BLCDT -20050214AGS
40	WCWF	SARANAC LAKE NY	259.5	PLN	DTVPLN -DTVPI446
40	WCWF	SARANAC LAKE NY	259.5	CP	BPCDT -20080619ALG
41	WLVI-TV	CAMBRIDGE MA	117.8	PLN	DTVPLN -DTVPI474
41	WLVI-TV	CAMBRIDGE MA	117.9	LIC	BLCDT -20070212ABF
41	WEDYDT	NEW HAVEN CT	103.7	APP	USERRECORD-01

Total scenarios = 96

Result key: 193

Scenario 1 Affected station 2
Before Analysis

Results for: 40A MA SPRINGFIELD
 HAAT 324.0 m, ATV ERP 460.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3292509	22119.7
not affected by terrain losses	2788366	18756.6
lost to NTSC IX	0	0.0

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

lost to additional IX by ATV	406374	1853.3
lost to ATV IX only	406374	1853.3
lost to all IX	406374	1853.3
Potential Interfering Stations Included in above Scenario 1		
39A CT NEW HAVEN	BLCDT	20040507AAZ LIC
39A MA BOSTON	BLCDT	20021009AAF LIC
40A MA VINEYARD HAVEN	BLCDT	20040406AAF LIC
40A NJ PATERSON	DTVPLN	DTVPL1444 PLN
41A MA CAMBRIDGE	DTVPLN	DTVPL1474 PLN
After Analysis		
Results for: 40A MA SPRINGFIELD BMFCDT 20081124ACP CP		
HAAT 324.0 m, ATV ERP 460.0 kW		
POPULATION AREA (sq km)		
within Noise Limited Contour	3292509	22119.7
not affected by terrain losses	2788366	18756.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	406374	1853.3
lost to ATV IX only	406374	1853.3
lost to all IX	406374	1853.3
Potential Interfering Stations Included in above Scenario 1		
39A CT NEW HAVEN	BLCDT	20040507AAZ LIC
39A MA BOSTON	BLCDT	20021009AAF LIC
40A MA VINEYARD HAVEN	BLCDT	20040406AAF LIC
40A NJ PATERSON	DTVPLN	DTVPL1444 PLN
41A MA CAMBRIDGE	DTVPLN	DTVPL1474 PLN
41A CT NEW HAVEN	USERRECORD01	APP
Percent new IX =	0.0000%	
Worst case new IX	0.0000% Scenario	1

Analysis of Interference to Affected Station 3

Analysis of current record
 Channel Call City/State Application Ref. No.
 40 WDPX-TV VINEYARD HAVEN MA BLCDT -20040406AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	218.6	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	218.6	PLN	DTVPLN -DTVPL1394
39	WSBK-TV	BOSTON MA	100.9	LIC	BLCDT -20021009AAF
39	WSBK-TV	BOSTON MA	99.3	PLN	DTVPLN -DTVPL1405
40	WGGB-TV	SPRINGFIELD MA	199.9	PLN	DTVPLN -DTVPL1436
40	WGGB-TV	SPRINGFIELD MA	199.9	CP MOD	BMPCDT -20081124ACP
40	WXTV	PATERSON NJ	321.7	PLN	DTVPLN -DTVPL1444
40	WXTV	PATERSON NJ	321.7	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	99.3	PLN	DTVPLN -DTVPL1474
41	WLVI-TV	CAMBRIDGE MA	99.2	LIC	BLCDT -20070212ABF
41	WEDYDT	NEW HAVEN CT	216.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record
 Channel Call City/State Application Ref. No.

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

40 WDPX VINEYARD HAVEN MA DTVPLN -DTVPI437

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	218.6	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	218.6	PLN	DTVPLN -DTVP1394
39	WSBK-TV	BOSTON MA	100.9	LIC	BLCDT -20021009AAF
39	WSBK-TV	BOSTON MA	99.3	PLN	DTVPLN -DTVP1405
40	WGGB-TV	SPRINGFIELD MA	199.9	PLN	DTVPLN -DTVP1436
40	WGGB-TV	SPRINGFIELD MA	199.9	CP MOD	BMPCTD -20081124ACP
40	WXTV	PATERSON NJ	321.7	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	321.7	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	99.3	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	99.2	LIC	BLCDT -20070212ABF
41	WEDYDT	NEW HAVEN CT	216.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WDPX-TV	VINEYARD HAVEN MA	BPCDT -20080620ACS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	218.6	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	218.6	PLN	DTVPLN -DTVP1394
39	WSBK-TV	BOSTON MA	100.9	LIC	BLCDT -20021009AAF
39	WSBK-TV	BOSTON MA	99.3	PLN	DTVPLN -DTVP1405
40	WGGB-TV	SPRINGFIELD MA	199.9	PLN	DTVPLN -DTVP1436
40	WGGB-TV	SPRINGFIELD MA	199.9	CP MOD	BMPCTD -20081124ACP
40	WXTV	PATERSON NJ	321.7	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	321.7	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	99.3	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	99.2	LIC	BLCDT -20070212ABF
41	WEDYDT	NEW HAVEN CT	216.8	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WXTV	PATERSON NJ	DTVPLN -DTVP1444

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	114.6	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	114.6	PLN	DTVPLN -DTVP1394
39	WLVT-TV	ALLENTOWN PA	124.3	CP MOD	BMPEDT -20080618AAL
39	WLVT-TV	ALLENTOWN PA	123.8	PLN	DTVPLN -DTVP1411
40	WGGB-TV	SPRINGFIELD MA	199.8	PLN	DTVPLN -DTVP1436
40	WGGB-TV	SPRINGFIELD MA	199.8	CP MOD	BMPCTD -20081124ACP
40	WDPX-TV	VINEYARD HAVEN MA	321.7	LIC	BLCDT -20040406AAF
40	WDPX	VINEYARD HAVEN MA	321.7	PLN	DTVPLN -DTVP1437
40	WDPX-TV	VINEYARD HAVEN MA	321.7	CP	BPCDT -20080620ACS
40	WNUV	BALTIMORE MD	275.7	LIC	BLCDT -20051011AOI
40	WNUV	BALTIMORE MD	275.7	PLN	DTVPLN -DTVP1438
40	WCWF	SARANAC LAKE NY	381.3	PLN	DTVPLN -DTVP1446

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

40	WCWF	SARANAC LAKE NY	381.3	CP	BPCDT	-20080619ALG
41	WVIA-TV	SCRANTON PA	165.4	PLN	DTVPLN	-DTVP1482
41	WVIA-TV	SCRANTON PA	165.4	CP	BPEDT	-20080619ADK
41	WVIA-TV	SCRANTON PA	165.4	LIC	BLEDT	-20010109AAP
41	WEDYDT	NEW HAVEN CT	111.1	APP	USERRECORD-01	

Total scenarios = 32

Result key: 293
 Scenario 5 Affected station 6
 Before Analysis

Results for: 40A NJ PATERSON
 HAAT 421.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19422187	25558.7
not affected by terrain losses	19105802	23695.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	67212	383.2
lost to ATV IX only	67212	383.2
lost to all IX	67212	383.2

Potential Interfering Stations Included in above Scenario 5

39A CT NEW HAVEN	BLCDT	20040507AAZ	LIC
39A PA ALLENTEWN	DTVPLN	DTVP1411	PLN
40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A MA VINEYARD HAVEN	BPCDT	20080620ACS	CP
40A MD BALTIMORE	BLCDT	20051011AOI	LIC

After Analysis

Results for: 40A NJ PATERSON
 HAAT 421.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19422187	25558.7
not affected by terrain losses	19105802	23695.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	89240	439.6
lost to ATV IX only	89240	439.6
lost to all IX	89240	439.6

Potential Interfering Stations Included in above Scenario 5

39A CT NEW HAVEN	BLCDT	20040507AAZ	LIC
39A PA ALLENTEWN	DTVPLN	DTVP1411	PLN
40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A MA VINEYARD HAVEN	BPCDT	20080620ACS	CP
40A MD BALTIMORE	BLCDT	20051011AOI	LIC
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.1157%

Worst case new IX 0.1159% Scenario 6

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Analysis of Interference to Affected Station 7

Analysis of current record
 Channel Call City/State Application Ref. No.
 40 WXTV PATERSON NJ BLCDT -20050214AGS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WCTX	NEW HAVEN CT	114.6	LIC	BLCDT -20040507AAZ
39	WCTX	NEW HAVEN CT	114.6	PLN	DTVPLN -DTVP1394
39	WLVT-TV	ALLENTEWN PA	124.3	CP MOD	BMPEDT -20080618AAL
39	WLVT-TV	ALLENTEWN PA	123.8	PLN	DTVPLN -DTVP1411

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

40	WGGB-TV	SPRINGFIELD MA	199.8	PLN	DTVPLN	-DTVP1436
40	WGGB-TV	SPRINGFIELD MA	199.8	CP MOD	BMPCDT	-20081124ACP
40	WDPX-TV	VINEYARD HAVEN MA	321.7	LIC	BLCDT	-20040406AAF
40	WDPX	VINEYARD HAVEN MA	321.7	PLN	DTVPLN	-DTVP1437
40	WDPX-TV	VINEYARD HAVEN MA	321.7	CP	BPCDT	-20080620ACS
40	WNUV	BALTIMORE MD	275.7	LIC	BLCDT	-20051011AOI
40	WNUV	BALTIMORE MD	275.7	PLN	DTVPLN	-DTVP1438
40	WCWF	SARANAC LAKE NY	381.3	PLN	DTVPLN	-DTVP1446
40	WCWF	SARANAC LAKE NY	381.3	CP	BPCDT	-20080619ALG
41	WVIA-TV	SCRANTON PA	165.4	PLN	DTVPLN	-DTVP1482
41	WVIA-TV	SCRANTON PA	165.4	CP	BPEDT	-20080619ADK
41	WVIA-TV	SCRANTON PA	165.4	LIC	BLEDT	-20010109AAP
41	WEDYDT	NEW HAVEN CT	111.1	APP	USERRECORD-01	

Total scenarios = 32

Result key: 326

Scenario 6 Affected station 7
Before Analysis

Results for: 40A NJ PATERSON BLCDT 20050214AGS LIC
HAAT 421.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19422187	25558.7
not affected by terrain losses	19105802	23695.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	96463	596.9
lost to ATV IX only	96463	596.9
lost to all IX	96463	596.9

Potential Interfering Stations Included in above Scenario 6

39A CT NEW HAVEN	BLCDT	20040507AAZ	LIC
39A PA ALLENTOWN	DTVPLN	DTVP1411	PLN
40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A MA VINEYARD HAVEN	BPCDT	20080620ACS	CP
40A MD BALTIMORE	DTVPLN	DTVP1438	PLN

After Analysis

Results for: 40A NJ PATERSON BLCDT 20050214AGS LIC
HAAT 421.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	19422187	25558.7
not affected by terrain losses	19105802	23695.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	118491	653.4
lost to ATV IX only	118491	653.4
lost to all IX	118491	653.4

Potential Interfering Stations Included in above Scenario 6

39A CT NEW HAVEN	BLCDT	20040507AAZ	LIC
39A PA ALLENTOWN	DTVPLN	DTVP1411	PLN
40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A MA VINEYARD HAVEN	BPCDT	20080620ACS	CP
40A MD BALTIMORE	DTVPLN	DTVP1438	PLN
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.1159%

Worst case new IX 0.1159% Scenario 6

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Analysis of Interference to Affected Station 8

Analysis of current record			
Channel	Call	City/State	Application Ref. No.
41	WLVI-TV	CAMBRIDGE MA	DTVPLN -DTVP1474

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WGGB-TV	SPRINGFIELD MA	117.8	PLN	DTVPLN -DTP1436
40	WGGB-TV	SPRINGFIELD MA	117.8	CP MOD	BMPCT -20081124ACP
40	WDPX-TV	VINEYARD HAVEN MA	99.3	LIC	BLCDT -20040406AAF
40	WDPX	VINEYARD HAVEN MA	99.3	PLN	DTVPLN -DTP1437
40	WDPX-TV	VINEYARD HAVEN MA	99.3	CP	BPCDT -20080620ACS
41	WPBS-TV	WATERTOWN NY	404.9	APP	BPEDT -20080619ABP
41	WPBS-TV	WATERTOWN NY	404.9	PLN	DTVPLN -DTP1479
41	WPBS-TV	WATERTOWN NY	404.9	LIC	BLEDT -20050923AGH
41	WVIA-TV	SCRANTON PA	405.4	PLN	DTVPLN -DTP1482
41	WVIA-TV	SCRANTON PA	405.4	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	405.4	LIC	BLEDT -20010109AAP
42	WSAH	BRIDGEPORT CT	188.6	LIC	BLCDT -20061218ACB
42	WSAH	BRIDGEPORT CT	188.6	PLN	DTVPLN -DTP1494
41	WEDYDT	NEW HAVEN CT	176.9	APP	USERRECORD-01

Total scenarios = 12

Result key: 355
 Scenario 3 Affected station 8
 Before Analysis

Results for: 41A MA CAMBRIDGE DTVPLN DTVP1474 PLN
 HAAT 345.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6965148	23986.8
not affected by terrain losses	6884191	22934.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16526	185.5
lost to ATV IX only	16526	185.5
lost to all IX	16526	185.5

Potential Interfering Stations Included in above Scenario 3

40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A MA VINEYARD HAVEN	BPCDT	20080620ACS	CP

After Analysis

Results for: 41A MA CAMBRIDGE DTVPLN DTVP1474 PLN
 HAAT 345.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6965148	23986.8
not affected by terrain losses	6884191	22934.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	31287	471.8
lost to ATV IX only	31287	471.8
lost to all IX	31287	471.8

Potential Interfering Stations Included in above Scenario 3

40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A MA VINEYARD HAVEN	BPCDT	20080620ACS	CP
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.2149%

Worst case new IX 0.2149% Scenario 3

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Analysis of Interference to Affected Station 9

Analysis of current record
 Channel Call City/State Application Ref. No.
 41 WLVI-TV CAMBRIDGE MA BLCDT -20070212ABF

Stations Potentially Affecting This Station

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WGGB-TV	SPRINGFIELD MA	117.9	PLN	DTVPLN -DTPV1436
40	WGGB-TV	SPRINGFIELD MA	117.9	CP MOD	BMPCT -20081124ACP
40	WDPX-TV	VINEYARD HAVEN MA	99.2	LIC	BLCDT -20040406AAF
40	WDPX	VINEYARD HAVEN MA	99.2	PLN	DTVPLN -DTPV1437
40	WDPX-TV	VINEYARD HAVEN MA	99.2	CP	BPCDT -20080620ACS
41	WPBS-TV	WATERTOWN NY	404.9	APP	BPEDT -20080619ABP
41	WPBS-TV	WATERTOWN NY	404.9	PLN	DTVPLN -DTPV1479
41	WPBS-TV	WATERTOWN NY	404.9	LIC	BLEDT -20050923AGH
41	WVIA-TV	SCRANTON PA	405.4	PLN	DTVPLN -DTPV1482
41	WVIA-TV	SCRANTON PA	405.4	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	405.4	LIC	BLEDT -20010109AAP
42	WSAH	BRIDGEPORT CT	188.6	LIC	BLCDT -20061218ACB
42	WSAH	BRIDGEPORT CT	188.6	PLN	DTVPLN -DTPV1494
41	WEDYDT	NEW HAVEN CT	176.9	APP	USERRECORD-01

Total scenarios = 12

Result key: 370
 Scenario 6 Affected station 9
 Before Analysis

Results for: 41A MA CAMBRIDGE BLCDT 20070212ABF LIC
 HAAT 346.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6968359	24119.9
not affected by terrain losses	6895294	23107.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	17244	201.6
lost to ATV IX only	17244	201.6
lost to all IX	17244	201.6

Potential Interfering Stations Included in above Scenario 6

40A MA SPRINGFIELD BMPCT 20081124ACP CP
 40A MA VINEYARD HAVEN BPCDT 20080620ACS CP

After Analysis

Results for: 41A MA CAMBRIDGE BLCDT 20070212ABF LIC
 HAAT 346.0 m, ATV ERP 550.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	6968359	24119.9
not affected by terrain losses	6895294	23107.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	41803	520.2
lost to ATV IX only	41803	520.2
lost to all IX	41803	520.2

Potential Interfering Stations Included in above Scenario 6

40A MA SPRINGFIELD BMPCT 20081124ACP CP
 40A MA VINEYARD HAVEN BPCDT 20080620ACS CP
 41A CT NEW HAVEN USERRECORD01 APP

Percent new IX = 0.3571%

Worst case new IX 0.3571% Scenario 6

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Analysis of Interference to Affected Station 10

Analysis of current record
 Channel Call City/State Application Ref. No.
 41 WUTB BALTIMORE MD BPCDT -20080619AJG

Stations Potentially Affecting This Station

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WNUV	BALTIMORE MD	11.0	LIC	BLCDT -20051011AOI
40	WNUV	BALTIMORE MD	11.0	PLN	DTVPLN -DTVP1438
41	WKBN-TV	YOUNGSTOWN OH	384.1	CP	BPCDT -19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	384.1	PLN	DTVPLN -DTVP1481
41	WVIA-TV	SCRANTON PA	223.7	PLN	DTVPLN -DTVP1482
41	WVIA-TV	SCRANTON PA	223.7	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	223.7	LIC	BLEDT -20010109AAP
42	WMPT	ANNAPOLIS MD	33.5	LIC	BLEDT -20030903ABC
42	WMPT	ANNAPOLIS MD	33.5	PLN	DTVPLN -DTVP1507
42	WMPT	ANNAPOLIS MD	33.5	CP	BPEDT -20080620AIA
42	WTXF-TV	PHILADELPHIA PA	154.8	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	154.8	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	154.8	CP MOD	BMPCT -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	154.8	APP	BMPCT -20080616AAQ
42	WCVE-TV	RICHMOND VA	210.4	APP	BPEDT -20080610AAQ
42	WCVE-TV	RICHMOND VA	210.4	PLN	DTVPLN -DTVP1523
42	WCVE-TV	RICHMOND VA	210.5	LIC	BLCDT -20050606AHG
41	WEDYDT	NEW HAVEN CT	397.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WUTB	BALTIMORE MD	DTVPLN -DTVP1475

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WNUV	BALTIMORE MD	11.0	LIC	BLCDT -20051011AOI
40	WNUV	BALTIMORE MD	11.0	PLN	DTVPLN -DTVP1438
41	WKBN-TV	YOUNGSTOWN OH	384.1	CP	BPCDT -19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	384.1	PLN	DTVPLN -DTVP1481
41	WVIA-TV	SCRANTON PA	223.7	PLN	DTVPLN -DTVP1482
41	WVIA-TV	SCRANTON PA	223.7	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	223.7	LIC	BLEDT -20010109AAP
42	WMPT	ANNAPOLIS MD	33.5	LIC	BLEDT -20030903ABC
42	WMPT	ANNAPOLIS MD	33.5	PLN	DTVPLN -DTVP1507
42	WMPT	ANNAPOLIS MD	33.5	CP	BPEDT -20080620AIA
42	WTXF-TV	PHILADELPHIA PA	154.8	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	154.8	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	154.8	CP MOD	BMPCT -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	154.8	APP	BMPCT -20080616AAQ
42	WCVE-TV	RICHMOND VA	210.4	APP	BPEDT -20080610AAQ
42	WCVE-TV	RICHMOND VA	210.4	PLN	DTVPLN -DTVP1523
42	WCVE-TV	RICHMOND VA	210.5	LIC	BLCDT -20050606AHG
41	WEDYDT	NEW HAVEN CT	397.6	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WPBS-TV	WATERTOWN NY	BPEDT -20080619ABP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WCWF	SARANAC LAKE NY	105.3	PLN	DTVPLN -DTVP1446
40	WCWF	SARANAC LAKE NY	105.3	CP	BPCDT -20080619ALG
41	WLVI-TV	CAMBRIDGE MA	404.9	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	404.9	LIC	BLCDT -20070212ABF
41	WVIA-TV	SCRANTON PA	298.2	PLN	DTVPLN -DTVP1482

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

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41 WVIA-TV SCRANTON PA      298.2 CP     BPEDT    -20080619ADK
41 WVIA-TV SCRANTON PA      298.2 LIC    BLEDT    -20010109AAP
42 WSKG-TV BINGHAMTON NY    201.0 LIC    BLEDT    -20050526ACA
42 WSKG-TV BINGHAMTON NY    201.0 PLN   DTVPLN   -DTVPI512
41 WEDYDT NEW HAVEN CT      364.1 APP    USERRECORD-01
Proposal causes no interference
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Analysis of Interference to Affected Station 13

Analysis of current record
 Channel Call City/State Application Ref. No.
 41 WPBS-TV WATERTOWN NY DTVPLN -DTVPI479

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WCWF	SARANAC LAKE NY	105.4	PLN	DTVPLN -DTVPI446
40	WCWF	SARANAC LAKE NY	105.4	CP	BPCDT -20080619ALG
41	WLVI-TV	CAMBRIDGE MA	404.9	PLN	DTVPLN -DTVPI474
41	WLVI-TV	CAMBRIDGE MA	404.9	LIC	BLCDT -20070212ABF
41	WVIA-TV	SCRANTON PA	298.1	PLN	DTVPLN -DTVPI482
41	WVIA-TV	SCRANTON PA	298.1	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	298.1	LIC	BLEDT -20010109AAP
42	WSKG-TV	BINGHAMTON NY	201.0	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	201.0	PLN	DTVPLN -DTVPI512
41	WEDYDT	NEW HAVEN CT	364.1	APP	USERRECORD-01

Proposal causes no interference

Analysis of Interference to Affected Station 14

Analysis of current record
 Channel Call City/State Application Ref. No.
 41 WPBS-TV WATERTOWN NY BLEDT -20050923AGH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WCWF	SARANAC LAKE NY	105.3	PLN	DTVPLN -DTVPI446
40	WCWF	SARANAC LAKE NY	105.3	CP	BPCDT -20080619ALG
41	WLVI-TV	CAMBRIDGE MA	404.9	PLN	DTVPLN -DTVPI474
41	WLVI-TV	CAMBRIDGE MA	404.9	LIC	BLCDT -20070212ABF
41	WVIA-TV	SCRANTON PA	298.2	PLN	DTVPLN -DTVPI482
41	WVIA-TV	SCRANTON PA	298.2	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	298.2	LIC	BLEDT -20010109AAP
42	WSKG-TV	BINGHAMTON NY	201.0	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	201.0	PLN	DTVPLN -DTVPI512
41	WEDYDT	NEW HAVEN CT	364.1	APP	USERRECORD-01

Proposal causes no interference

Analysis of Interference to Affected Station 15

Analysis of current record
 Channel Call City/State Application Ref. No.
 41 WVIA-TV SCRANTON PA DTVPLN -DTVPI482

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WNUV	BALTIMORE MD	215.5	LIC	BLCDT -20051011AOI
40	WNUV	BALTIMORE MD	215.5	PLN	DTVPLN -DTVPI438
40	WXTV	PATERSON NJ	165.4	PLN	DTVPLN -DTVPI444

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

40	WXTV	PATERSON NJ	165.4	LIC	BLCDT	-20050214AGS
41	WLVI-TV	CAMBRIDGE MA	405.4	PLN	DTVPLN	-DTVP1474
41	WLVI-TV	CAMBRIDGE MA	405.4	LIC	BLCDT	-20070212ABF
41	WUTB	BALTIMORE MD	223.7	CP	BPCDT	-20080619AJG
41	WUTB	BALTIMORE MD	223.7	PLN	DTVPLN	-DTVP1475
41	WPBS-TV	WATERTOWN NY	298.2	APP	BPEDT	-20080619ABP
41	WPBS-TV	WATERTOWN NY	298.1	PLN	DTVPLN	-DTVP1479
41	WPBS-TV	WATERTOWN NY	298.2	LIC	BLEDT	-20050923AGH
41	WKBN-TV	YOUNGSTOWN OH	400.0	CP	BPCDT	-19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	400.0	PLN	DTVPLN	-DTVP1481
42	WSAH	BRIDGEPORT CT	165.4	APP	BPCDT	-20080620ALT
42	WSKG-TV	BINGHAMTON NY	97.9	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	97.9	PLN	DTVPLN	-DTVP1512
42	WTXF-TV	PHILADELPHIA PA	137.6	PLN	DTVPLN	-DTVP1515
42	WTXF-TV	PHILADELPHIA PA	137.6	LIC	BLCDT	-20070914AAK
42	WTXF-TV	PHILADELPHIA PA	137.6	CP MOD	BMPCDT	-20090520AGI
42	WTXF-TV	PHILADELPHIA PA	137.6	APP	BMPCDT	-20080616AAQ
41	WEDYDT	NEW HAVEN CT	248.2	APP	USERRECORD-01	

Total scenarios = 72

Result key: 389
 Scenario 13 Affected station 15
 Before Analysis

Results for: 41A PA SCRANTON DTVPLN DTVP1482 PLN
 HAAT 487.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2480374	30064.5
not affected by terrain losses	1950348	24695.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	45168	845.4
lost to ATV IX only	45168	845.4
lost to all IX	45168	845.4

Potential Interfering Stations Included in above Scenario 13

41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
41A NY WATERTOWN	DTVPLN	DTVP1479	PLN
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN

After Analysis

Results for: 41A PA SCRANTON DTVPLN DTVP1482 PLN
 HAAT 487.0 m, ATV ERP 200.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2480374	30064.5
not affected by terrain losses	1950348	24695.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50042	961.6
lost to ATV IX only	50042	961.6
lost to all IX	50042	961.6

Potential Interfering Stations Included in above Scenario 13

41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
41A NY WATERTOWN	DTVPLN	DTVP1479	PLN
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.2558%

Worst case new IX 0.2558% Scenario 13

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Analysis of Interference to Affected Station 16

Analysis of current record

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Channel	Call	City/State	Application Ref. No.
41	WVIA-TV	SCRANTON PA	BPEDT -20080619ADK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WNUV	BALTIMORE MD	215.5	LIC	BLCDT -20051011AOI
40	WNUV	BALTIMORE MD	215.5	PLN	DTVPLN -DTVP1438
40	WXTV	PATERSON NJ	165.4	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	165.4	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	405.4	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	405.4	LIC	BLCDT -20070212ABF
41	WUTB	BALTIMORE MD	223.7	CP	BPCDT -20080619AJG
41	WUTB	BALTIMORE MD	223.7	PLN	DTVPLN -DTVP1475
41	WPBS-TV	WATERTOWN NY	298.2	APP	BPEDT -20080619ABP
41	WPBS-TV	WATERTOWN NY	298.1	PLN	DTVPLN -DTVP1479
41	WPBS-TV	WATERTOWN NY	298.2	LIC	BLEDT -20050923AGH
41	WKBN-TV	YOUNGSTOWN OH	400.0	CP	BPCDT -19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	400.0	PLN	DTVPLN -DTVP1481
42	WSAH	BRIDGEPORT CT	165.4	APP	BPCDT -20080620ALT
42	WSKG-TV	BINGHAMTON NY	97.9	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	97.9	PLN	DTVPLN -DTVP1512
42	WTXF-TV	PHILADELPHIA PA	137.6	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	137.6	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	137.6	CP MOD	BMPCDT -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	137.6	APP	BMPCDT -20080616AAQ
41	WEDYDT	NEW HAVEN CT	248.2	APP	USERRECORD-01

Total scenarios = 144

Result key: 461
 Scenario 13 Affected station 16
 Before Analysis

Results for: 41A PA SCRANTON BPEDT 20080619ADK CP
 HAAT 510.0 m, ATV ERP 365.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2848395	34010.9
not affected by terrain losses	2288704	28141.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	67513	1089.8
lost to ATV IX only	67513	1089.8
lost to all IX	67513	1089.8

Potential Interfering Stations Included in above Scenario 13

40A NJ PATERSON	DTVPLN	DTVP1444	PLN
41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
41A NY WATERTOWN	DTVPLN	DTVP1479	PLN
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN

After Analysis

Results for: 41A PA SCRANTON BPEDT 20080619ADK CP
 HAAT 510.0 m, ATV ERP 365.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2848395	34010.9
not affected by terrain losses	2288704	28141.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	77850	1181.9
lost to ATV IX only	77850	1181.9
lost to all IX	77850	1181.9

Potential Interfering Stations Included in above Scenario 13

40A NJ PATERSON	DTVPLN	DTVP1444	PLN
41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
41A NY WATERTOWN	DTVPLN	DTVP1479	PLN
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN
41A CT NEW HAVEN	USERRECORD01		APP

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Percent new IX = 0.4654%

Worst case new IX 0.4654% Scenario 13

#####

Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WVIA-TV	SCRANTON PA	BLEDT -20010109AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WNUV	BALTIMORE MD	215.5	LIC	BLCDT -20051011AOI
40	WNUV	BALTIMORE MD	215.5	PLN	DTVPLN -DTVP1438
40	WXTV	PATERSON NJ	165.4	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	165.4	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	405.4	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	405.4	LIC	BLCDT -20070212ABF
41	WUTB	BALTIMORE MD	223.7	CP	BPCDT -20080619AJG
41	WUTB	BALTIMORE MD	223.7	PLN	DTVPLN -DTVP1475
41	WPBS-TV	WATERTOWN NY	298.2	APP	BPEDT -20080619ABF
41	WPBS-TV	WATERTOWN NY	298.1	PLN	DTVPLN -DTVP1479
41	WPBS-TV	WATERTOWN NY	298.2	LIC	BLEDT -20050923AGH
41	WKBN-TV	YOUNGSTOWN OH	400.0	CP	BPCDT -19991025ACU
41	WKBN-TV	YOUNGSTOWN OH	400.0	PLN	DTVPLN -DTVP1481
42	WSAH	BRIDGEPORT CT	165.4	APP	BPCDT -20080620ALT
42	WSKG-TV	BINGHAMTON NY	97.9	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	97.9	PLN	DTVPLN -DTVP1512
42	WTXF-TV	PHILADELPHIA PA	137.6	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	137.6	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	137.6	CP MOD	BMPCTD -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	137.6	APP	BMPCTD -20080616AAQ
41	WEDYDT	NEW HAVEN CT	248.2	APP	USERRECORD-01

Total scenarios = 72

Result key: 605

Scenario 13 Affected station 17

Before Analysis

Results for: 41A PA SCRANTON	BLEDT	20010109AAP	LIC
HAAT 487.0 m, ATV ERP 200.0 kW	POPULATION	AREA (sq km)	
within Noise Limited Contour	2480374	30064.5	
not affected by terrain losses	1950348	24695.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	45168	845.4	
lost to ATV IX only	45168	845.4	
lost to all IX	45168	845.4	

Potential Interfering Stations Included in above Scenario 13

41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
41A NY WATERTOWN	DTVPLN	DTVP1479	PLN
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN

After Analysis

Results for: 41A PA SCRANTON	BLEDT	20010109AAP	LIC
HAAT 487.0 m, ATV ERP 200.0 kW	POPULATION	AREA (sq km)	
within Noise Limited Contour	2480374	30064.5	
not affected by terrain losses	1950348	24695.9	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	50042	961.6	
lost to ATV IX only	50042	961.6	

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

lost to all IX	50042	961.6	
Potential Interfering Stations Included in above Scenario 13			
41A MD BALTIMORE	DTVPLN	DTVP1475	PLN
41A NY WATERTOWN	DTVPLN	DTVP1479	PLN
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN
41A CT NEW HAVEN	USERRECORD01		APP
Percent new IX =	0.2558%		
Worst case new IX	0.2558% Scenario		13
# #####			

Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WSAH	BRIDGEPORT CT	BLCDT -20061218ACB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WLVI-TV	CAMBRIDGE MA	188.6	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	188.6	LIC	BLCDT -20070212ABF
42	WMPT	ANNAPOLIS MD	395.5	LIC	BLEDT -20030903ABC
42	WMPT	ANNAPOLIS MD	395.5	PLN	DTVPLN -DTVP1507
42	WMPT	ANNAPOLIS MD	395.5	CP	BPEDT -20080620AIA
42	WSKG-TV	BINGHAMTON NY	247.5	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	247.5	PLN	DTVPLN -DTVP1512
42	WTXF-TV	PHILADELPHIA PA	231.6	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	231.6	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	231.6	CP MOD	BMPCDT -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	231.6	APP	BMPCDT -20080616AAQ
43	WGBX-TV	BOSTON MA	187.7	LIC	BLEDT -20021219AAN
43	WGBX-TV	BOSTON MA	187.7	PLN	DTVPLN -DTVP1540
43	WNJT	TRENTON NJ	178.7	PLN	DTVPLN -DTVP1548
43	WNJT	TRENTON NJ	178.6	LIC	BLEDT -20030411AAE
43	WNJT	TRENTON NJ	178.6	CP	BPEDT -20080620AGH
43	WCWN	SCHENECTADY NY	158.8	PLN	DTVPLN -DTVP1550
43	WCWN	SCHENECTADY NY	158.8	CP	BPCDT -20080620ABN
43	WCWN	SCHENECTADY NY	158.8	LIC	BLCDT -20050623ABN
41	WEDYDT	NEW HAVEN CT	17.6	APP	USERRECORD-01

Total scenarios = 42

Result key: 669

Scenario 5 Affected station 18

Before Analysis

Results for: 42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
HAAT 169.0 m, ATV ERP 780.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5908349	19541.6	
not affected by terrain losses	5596982	18329.0	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	103905	176.1	
lost to ATV IX only	103905	176.1	
lost to all IX	103905	176.1	

Potential Interfering Stations Included in above Scenario 5

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20070914AAK	LIC
43A NY SCHENECTADY	BPCDT	20080620ABN	CP

After Analysis

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Results for: 42A CT BRIDGEPORT
HAAT 169.0 m, ATV ERP 780.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5908349	19541.6
not affected by terrain losses	5596982	18329.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	130200	232.1
lost to ATV IX only	130200	232.1
lost to all IX	130200	232.1

Potential Interfering Stations Included in above Scenario 5

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20070914AAK	LIC
43A NY SCHENECTADY	BPCDT	20080620ABN	CP
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.4787%

Worst case new IX 0.4787% Scenario 5

#####

Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WSAH	BRIDGEPORT CT	DTVPLN -DTVP1494

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WLVI-TV	CAMBRIDGE MA	188.6	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	188.6	LIC	BLCDT -20070212ABF
42	WMPT	ANNAPOLIS MD	395.5	LIC	BLEDT -20030903ABC
42	WMPT	ANNAPOLIS MD	395.5	PLN	DTVPLN -DTVP1507
42	WMPT	ANNAPOLIS MD	395.5	CP	BPEDT -20080620AIA
42	WSKG-TV	BINGHAMTON NY	247.5	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	247.5	PLN	DTVPLN -DTVP1512
42	WTXF-TV	PHILADELPHIA PA	231.6	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	231.6	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	231.6	CP MOD	BMPCT -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	231.6	APP	BMPCT -20080616AAQ
43	WGBX-TV	BOSTON MA	187.7	LIC	BLEDT -20021219AAN
43	WGBX-TV	BOSTON MA	187.7	PLN	DTVPLN -DTVP1540
43	WNJT	TRENTON NJ	178.7	PLN	DTVPLN -DTVP1548
43	WNJT	TRENTON NJ	178.6	LIC	BLEDT -20030411AAE
43	WNJT	TRENTON NJ	178.6	CP	BPEDT -20080620AGH
43	WCWN	SCHENECTADY NY	158.8	PLN	DTVPLN -DTVP1550
43	WCWN	SCHENECTADY NY	158.8	CP	BPCDT -20080620ABN
43	WCWN	SCHENECTADY NY	158.8	LIC	BLCDT -20050623ABN
41	WEDYDT	NEW HAVEN CT	17.6	APP	USERRECORD-01

Total scenarios = 42

Result key: 711

Scenario 5 Affected station 19

Before Analysis

Results for: 42A CT BRIDGEPORT DTVPLN DTVP1494 PLN
HAAT 156.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5999289	19818.6
not affected by terrain losses	5685692	18597.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	143947	176.1
lost to ATV IX only	143947	176.1
lost to all IX	143947	176.1

Potential Interfering Stations Included in above Scenario 5

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20070914AAK	LIC
43A NY SCHENECTADY	BPCDT	20080620ABN	CP

After Analysis

Results for: 42A CT BRIDGEPORT
HAAT 156.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5999289	19818.6
not affected by terrain losses	5685692	18597.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	161462	212.1
lost to ATV IX only	161462	212.1
lost to all IX	161462	212.1

Potential Interfering Stations Included in above Scenario 5

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20070914AAK	LIC
43A NY SCHENECTADY	BPCDT	20080620ABN	CP
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.3161%

Worst case new IX 0.3161% Scenario 5

#####

Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WSAH	BRIDGEPORT CT	BPCDT -20080620ALT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	WVIA-TV	SCRANTON PA	165.4	PLN	DTVPLN -DTVP1482
41	WVIA-TV	SCRANTON PA	165.4	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	165.4	LIC	BLEDT -20010109AAB
42	WMPT	ANNAPOLIS MD	295.6	LIC	BLEDT -20030903ABC
42	WMPT	ANNAPOLIS MD	295.6	PLN	DTVPLN -DTVP1507
42	WMPT	ANNAPOLIS MD	295.6	CP	BPEDT -20080620AIA
42	WSKG-TV	BINGHAMTON NY	219.0	LIC	BLEDT -20050526ACA
42	WSKG-TV	BINGHAMTON NY	219.0	PLN	DTVPLN -DTVP1512
42	WTXF-TV	PHILADELPHIA PA	132.0	PLN	DTVPLN -DTVP1515
42	WTXF-TV	PHILADELPHIA PA	132.0	LIC	BLCDT -20070914AAK
42	WTXF-TV	PHILADELPHIA PA	132.0	CP MOD	BMPCTD -20090520AGI
42	WTXF-TV	PHILADELPHIA PA	132.0	APP	BMPCTD -20080616AAQ
43	WNJT	TRENTON NJ	78.7	PLN	DTVPLN -DTVP1548
43	WNJT	TRENTON NJ	78.6	LIC	BLEDT -20030411AAE
43	WNJT	TRENTON NJ	78.6	CP	BPEDT -20080620AGH
43	WCWN	SCHENECTADY NY	208.6	PLN	DTVPLN -DTVP1550
43	WCWN	SCHENECTADY NY	208.6	CP	BPCDT -20080620ABN
43	WCWN	SCHENECTADY NY	208.6	LIC	BLCDT -20050623ABN
41	WEDYDT	NEW HAVEN CT	111.1	APP	USERRECORD-01

Total scenarios = 126

Result key: 751

Scenario 3 Affected station 20

Before Analysis

Results for: 42A CT BRIDGEPORT
HAAT 367.0 m, ATV ERP 990.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18473173	21618.8
not affected by terrain losses	18066233	19979.4
lost to NTSC IX	0	0.0

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

lost to additional IX by ATV	642273	1466.2
lost to ATV IX only	642273	1466.2
lost to all IX	642273	1466.2

Potential Interfering Stations Included in above Scenario 3

42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN
43A NJ TRENTON	BPEDT	20080620AGH	CP

After Analysis

Results for: 42A CT BRIDGEPORT BPCDT 20080620ALT APP
HAAT 367.0 m, ATV ERP 990.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	18473173	21618.8
not affected by terrain losses	18066233	19979.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	654260	1510.5
lost to ATV IX only	654260	1510.5
lost to all IX	654260	1510.5

Potential Interfering Stations Included in above Scenario 3

42A MD ANNAPOLIS	BLEDT	20030903ABC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	DTVPLN	DTVP1515	PLN
43A NJ TRENTON	BPEDT	20080620AGH	CP
41A CT NEW HAVEN	USERRECORD01		APP

Percent new IX = 0.0688%

Worst case new IX 0.0688% Scenario 3

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Analysis of Interference to Affected Station 21

Analysis of current record
Channel Call City/State Application Ref. No.
41 WEDYDT NEW HAVEN CT USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WGGB-TV	SPRINGFIELD MA	103.7	PLN	DTVPLN -DTVP1436
40	WGGB-TV	SPRINGFIELD MA	103.7	CP MOD	BMPCT -20081124ACP
40	WDFX-TV	VINEYARD HAVEN MA	216.8	LIC	BLCDT -20040406AAF
40	WDFX	VINEYARD HAVEN MA	216.8	PLN	DTVPLN -DTVP1437
40	WDPX-TV	VINEYARD HAVEN MA	216.8	CP	BPCDT -20080620ACS
40	WXTV	PATERSON NJ	111.1	PLN	DTVPLN -DTVP1444
40	WXTV	PATERSON NJ	111.1	LIC	BLCDT -20050214AGS
41	WLVI-TV	CAMBRIDGE MA	176.9	PLN	DTVPLN -DTVP1474
41	WLVI-TV	CAMBRIDGE MA	176.9	LIC	BLCDT -20070212ABF
41	WUTB	BALTIMORE MD	397.6	CP	BPCDT -20080619AJG
41	WUTB	BALTIMORE MD	397.6	PLN	DTVPLN -DTVP1475
41	WPBS-TV	WATERTOWN NY	364.1	APP	BPEDT -20080619ABP
41	WPBS-TV	WATERTOWN NY	364.1	PLN	DTVPLN -DTVP1479
41	WPBS-TV	WATERTOWN NY	364.1	LIC	BLEDT -20050923AGH
41	WVIA-TV	SCRANTON PA	248.2	PLN	DTVPLN -DTVP1482
41	WVIA-TV	SCRANTON PA	248.2	CP	BPEDT -20080619ADK
41	WVIA-TV	SCRANTON PA	248.2	LIC	BLEDT -20010109AAP
42	WSAH	BRIDGEPORT CT	17.6	LIC	BLCDT -20061218ACB
42	WSAH	BRIDGEPORT CT	17.6	PLN	DTVPLN -DTVP1494
42	WSAH	BRIDGEPORT CT	111.1	APP	BPCDT -20080620ALT

Total scenarios = 72

Result key: 875

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Scenario	1	Affected station	21
Before Analysis			
Results for: 41A CT NEW HAVEN		USERRECORD01	APP
HAAT	91.0 m,	ATV ERP	200.0 kW
		POPULATION	AREA (sq km)
within Noise Limited Contour		3723111	12601.2
not affected by terrain losses		3652223	12184.9
lost to NTSC IX		0	0.0
lost to additional IX by ATV		553575	1493.1
lost to ATV IX only		553575	1493.1
lost to all IX		553575	1493.1

Potential Interfering Stations Included in above Scenario 1

40A MA SPRINGFIELD	DTVPLN	DTVP1436	PLN
40A NJ PATERSON	DTVPLN	DTVP1444	PLN
41A MA CAMBRIDGE	DTVPLN	DTVP1474	PLN
41A PA SCRANTON	DTVPLN	DTVP1482	PLN
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

INTERFERENCE ANALYSIS TOWARD WHDH-DT STA ON CHANNEL 42
 (BDSTA~20090615AEV)

Percent allowed new interference: 0.500
 Percent allowed new interference to Class A: 0.500
 TW Census data selected 2000
 Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-22-2009 Time: 14:33:04

Record Selected for Analysis

WEDYDT	USERRECORD-01	NEW HAVEN	CT US
Channel	41	ERP 200.	kW HAAT 91. m RCAMSL 00131 m
Latitude	041-19-42	Longitude	0072-54-25
Status	APP	Zone	1 Border
Last update		Cutoff date	Docket
Comments			
Applicant			

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	200.000	87.6	63.7
45.0	200.000	97.0	65.1
90.0	200.000	86.7	63.6
135.0	200.000	118.5	67.6
180.0	200.000	130.7	68.6
225.0	200.000	109.2	66.6
270.0	200.000	64.6	60.1
315.0	200.000	33.0	51.3

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN
41	WEDYDT	NEW HAVEN CT	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref.	No.
40	WGGB-TV	SPRINGFIELD MA	103.7	PLN	DTVPLN	-DTVP1436
40	WGGB-TV	SPRINGFIELD MA	103.7	CP MOD	BMPCTD	-20081124ACP
40	WDPX-TV	VINEYARD HAVEN MA	216.8	LIC	BLCDT	-20040406AAF
40	WDPX	VINEYARD HAVEN MA	216.8	PLN	DTVPLN	-DTVP1437
40	WDPX-TV	VINEYARD HAVEN MA	216.8	CP	BPCDT	-20080620ACS
40	WXTV	PATERSON NJ	111.1	PLN	DTVPLN	-DTVP1444
40	WXTV	PATERSON NJ	111.1	LIC	BLCDT	-20050214AGS
41	WLVI-TV	CAMBRIDGE MA	176.9	PLN	DTVPLN	-DTVP1474
41	WLVI-TV	CAMBRIDGE MA	176.9	LIC	BLCDT	-20070212ABF
41	WUTB	BALTIMORE MD	397.6	CP	BPCDT	-20080619AJG
41	WUTB	BALTIMORE MD	397.6	PLN	DTVPLN	-DTVP1475
41	WPBS-TV	WATERTOWN NY	364.1	APP	BPEDT	-20080619ABP
41	WPBS-TV	WATERTOWN NY	364.1	PLN	DTVPLN	-DTVP1479
41	WPBS-TV	WATERTOWN NY	364.1	LIC	BLEDT	-20050923AGH
41	WVIA-TV	SCRANTON PA	248.2	PLN	DTVPLN	-DTVP1482
41	WVIA-TV	SCRANTON PA	248.2	CP	BPEDT	-20080619ADK
41	WVIA-TV	SCRANTON PA	248.2	LIC	BLEDT	-20010109AAP
42	WSAH	BRIDGEPORT CT	17.6	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	17.6	PLN	DTVPLN	-DTVP1494
42	WSAH	BRIDGEPORT CT	111.1	APP	BPCDT	-20080620ALT
42	WHDHSTA	BOSTON MA	177.6	APP	USERRECORD-02	

%%%%%%%%%%%%%

Analysis of Interference to Affected Station 21

Analysis of current record			
Channel	Call	City/State	Application Ref. No.
42	WHDHSTA	BOSTON MA	USERRECORD-02

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref.	No.
41	WLVI-TV	CAMBRIDGE MA	0.9	PLN	DTVPLN	-DTVP1474
41	WLVI-TV	CAMBRIDGE MA	1.0	LIC	BLCDT	-20070212ABF
42	WSAH	BRIDGEPORT CT	189.2	LIC	BLCDT	-20061218ACB
42	WSAH	BRIDGEPORT CT	189.2	PLN	DTVPLN	-DTVP1494
42	WSAH	BRIDGEPORT CT	288.6	APP	BPCDT	-20080620ALT

Figure 3

WEDY-DT, New Haven, CT OET-69 Interference Analysis (worst-case scenarios)

42	WSKG-TV	BINGHAMTON NY	390.4	LIC	BLEDT	-20050526ACA
42	WSKG-TV	BINGHAMTON NY	390.4	PLN	DTVPLN	-DTVP1512
42	WTXF-TV	PHILADELPHIA PA	420.6	PLN	DTVPLN	-DTVP1515
42	WTXF-TV	PHILADELPHIA PA	420.5	LIC	BLCDT	-20070914AAK
42	WTXF-TV	PHILADELPHIA PA	420.5	CP MOD	BMPCTD	-20090520AGI
42	WTXF-TV	PHILADELPHIA PA	420.5	APP	BMPCTD	-20080616AAQ
43	WGBX-TV	BOSTON MA	1.7	LIC	BLEDT	-20021219AAN
43	WGBX-TV	BOSTON MA	1.7	PLN	DTVPLN	-DTVP1540
43	WPXT	FORTLAND ME	185.8	PLN	DTVPLN	-DTVP1541
43	WPXT	FORTLAND ME	185.8	LIC	BLCDT	-20060714ABB

Total scenarios = 12

Result key: 1
 Scenario 1 Affected station 21
 Before Analysis

Results for: 42A MA BOSTON
 HAAT 288.0 m, ATV ERP 948.0 kW

	USERRECORD02	APP
POPULATION	AREA (sq km)	
within Noise Limited Contour	7066298	27750.6
not affected by terrain losses	6997939	26791.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	75569	1044.2
lost to ATV IX only	75569	1044.2
lost to all IX	75569	1044.2

Potential Interfering Stations Included in above Scenario 1

41A MA CAMBRIDGE	DTVPLN	DTVP1474	PLN
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
43A MA BOSTON	BLEDT	20021219AAN	LIC

After Analysis

Results for: 42A MA BOSTON
 HAAT 288.0 m, ATV ERP 948.0 kW

	USERRECORD02	APP
POPULATION	AREA (sq km)	
within Noise Limited Contour	7066298	27750.6
not affected by terrain losses	6997939	26791.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	75569	1044.2
lost to ATV IX only	75569	1044.2
lost to all IX	75569	1044.2

Potential Interfering Stations Included in above Scenario 1

41A MA CAMBRIDGE	DTVPLN	DTVP1474	PLN
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
43A MA BOSTON	BLEDT	20021219AAN	LIC

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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